

Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

19
EN 831B
Reserve
APP II

THE INSECT PEST SURVEY
BULLETIN



A periodical review of entomological conditions throughout the United States issued on the first of each month from March to December, inclusive.

Volume 8

1928

Index

BUREAU OF ENTOMOLOGY
UNITED STATES
DEPARTMENT OF AGRICULTURE
AND
THE STATE ENTOMOLOGICAL
AGENCIES COOPERATING

INDEX TO INSECT PEST SURVEY BULLETIN

VOLUME 8, 1928

(Common names listed separately; see page 403)

	<u>No.</u>	<u>Page</u>
Achatodes zae Harr.	5	187
	6	244
Acrididae	1	9
	3	47
	5	138, 144
	6	198, 201
	7	252, 254, 256
	8	294, 296
	9	325
	10	350-351
Acrobasis caryaef Grote	7	273
	8	294, 304
Acrobasis hebescella Grote. See Acrobasis caryaef Grote		
Acrobasis nebulella Riley	6	223
Acyotosiphora pisi Kalt. See Illinoia pisi Kalt.		
Adalia bipunctata L.	4	95
	5	156
Adelges abietis Kalt. See Chermes abietis Kalt.		
Adelphocoris superbus Uhl.	9	340
Aedes texans Meig.	7	255
Aegeria exitiosa Say	2	27, 32-33
	5	161
	7	268
	8	302
	9	322, 328-329
	10	357
Aegeria pictipes G. & R. See Sesia pictipes G. & R.		
Agallia sanguinolenta Prov.	4	92
Agryllus sinuatus Oliv.	7	267
Agryllus sp.	4	102
Agriolimax agrestis L.	6	200, 227
Agriotes mancus Say	4	91
	6	203
Agromyza citreifrons Mall.	8	313

No.	Page
<i>Agromyza platyptera</i> jucunda V.d.W. - - - - -	8
<i>Agromyza pusilla</i> Meig. - - - - -	4
<i>Agrotis fennica</i> Tausch. - - - - -	4
<i>Agrotis unicolor</i> Walk. - - - - -	4
	7
<i>Agrotis ypsilon</i> Rott. - - - - -	3
	5
	6
	9
<i>Aleurodidae</i> - - - - -	3
<i>Alsophila pometaria</i> Harr. - - - - -	4
	5
<i>Alypia octomaculata</i> Fab. - - - - -	4
	5
	6
	7
<i>Amphicerus bicaudatus</i> Say - - - - -	3
	4
	5
<i>Amphicyrta chrysomelina</i> Erich. - - - - -	3
<i>Amphorophora rubi</i> Kalt. - - - - -	7
<i>Anabrus simplex</i> Hald. - - - - -	8
	10
<i>Anarsia lineatella</i> Zell. - - - - -	4
<i>Anaphothrips striaatus</i> Ort. - - - - -	7
<i>Anasa tristis</i> DeG. - - - - -	5
	6
	7
	8
<i>Anastrepha ludens</i> Loew - - - - -	5
<i>Ancylis comptana</i> Froel. - - - - -	4
	6
	7
<i>Ancylis platanana</i> Clem. - - - - -	6
<i>Anisota rubicunda</i> Fab. - - - - -	8
<i>Anomala minuta</i> Eurm. - - - - -	7
<i>Anomala orientalis</i> Waterh. - - - - -	3
	4
	7
	10
<i>Anthonomus eugenii</i> Cano - - - - -	1
	2
	4
	6
<i>Anthonomus grandis</i> Boh. - - - - -	1
	3
<i>Anthonomus signatus</i> Say - - - - -	4
	7
<i>Anthrenus scrophulariae</i> L. - - - - -	6
	7
<i>Anticarsia gemmatalis</i> Hbn. - - - - -	7
	10

	<u>No.</u>	<u>Page</u>
Anuraphis maidi-radicis Forbes	5	152
	6	208
Anuraphis persicae-niger Erwin Smith	4	105
	10	356
Anuraphis roseus Baker	3	46, 56-57
	4	97
	5	156
	6	210
	7	263
	10	356
Anurogryllus muticus DeG.	6	201
Apanteles congregatus Say	7	274
Aphiidae	1	8, 11, 14
	3	46, 54-55, 67
	4	87, 96-97
	5	139, 142, 155-156, 180
	7	286
	9	327
Aphis forbesi Weed	6	199, 230
Aphis gossypii Glov.	5	175
	6	234
	7	278
	8	309
Aphis hederae Kalt.	5	188
Aphis houghtonensis Troop	6	223
Aphis maidis Fitch	6	209
Aphis pomi DeG.	2	32
	3	46, 55
	4	97
	5	156
	6	200, 210
	7	254, 262-263
	8	301
	10	356
Aphis pseudobrassicae Davis. See		
Rhopalosiphum pseudobrassicae Davis		
Aphis rubiphila Patch	7	271
Aphis rumicis L.	5	173
	6	232
Aphis sacchari Zehnt.	4	119
Aphis spiraecola Patch	1	15
	2	33-34
	3	47, 66-67
	5	189
	6	245
	7	273
	10	356
Aphis viburnicola Gill.	5	189
Aphycus lounsburyi How.	5	168
Aphycus ternyi Full.	4	120

	No.	Page
Archimandrita marmorata Stell	3	62
Archips argyrospila Walk.	3	58
	4	99
	5	158
	6	200, 212
	7	252, 263
Archips rosaceana Harr. See Cacoecia rosaceana Harr.		
Argas miniatus Koch	9	345
Argyresthia thuiella Pack.	5	181
Argyroploce abietana Fern.	4	88, 124
Artipus psittacinus Gyll.	9	331
Ascogaster carpocapsae Vier.	2	32
Aspidiotus aenylus Putn.	4	123
Aspidiotus destructor Sign.	2	33
Aspidiotus juglans-regiae Comst,	1	21
	3	76
Aspidiotus perniciosus Comst.	1	8, 12
	3	53-54
	4	87, 102
	5	159
	6	217
	7	266, 269
	9	329
	10	357
Asterolecanium variolosum Ratz.	1	21
Aulacaspis pentagona Targ.	7	269
Aulacaspis rosae Bouche'	1	22
Autographa falcifera simplex Guen.	9	335
Autoserica castanea Arrow	10	355-356
Balaninus caryae Horn	7	273
	9	331
Barathra configurata Walk.	7	254
	8	295, 310
Bibio albipennis Loew	6	154
Blastophaga psenes L.	1	8, 13-14
Blattidae	4	134
Blepharida rhois Forst.	4	127
Blissus leucopterus Say	1	7, 10
	3	51
	4	86, 92
	5	149
	6	198, 205
	7	259
	8	299
	10	335
Bombus spp.	7	262
Brachyrhinus ovatus L.	2	35
	6	230
Brachyrhinus rugifrons Gyll. See B. rugosostriatus Goeze		

	<u>No.</u>	<u>Page</u>
<i>Brachyrhinus rugosostriatus</i> Goeze	2	35
<i>Brachyrhinus sulcatus</i> Fab.	4	125
<i>Brachystola magna</i> Gir.	10	351
<i>Brevicornis brassicae</i> L.	2	35
	3	70
	4	112
	7	275
<i>Bruchophagus funebris</i> How.	1	11
<i>Bryobia praetiosa</i> Koch	2	42
	3	81
	4	129
	5	191
<i>Byturus</i> sp.	4	107
<i>Byturus unicolor</i> Say	4	107
	5	164
	6	219
	7	271
	10	358
<i>Cacoecia persicana</i> Fitch	3	47
<i>Cacoecia rosaceana</i> Harr.	5	162
	6	219
<i>Cacoecia rosana</i> L.	5	188
<i>Caenurgia erechtea</i> Cram.	9	336
<i>Caenurgia</i> sp.	9	336
<i>Calendra granaria</i> L.	8	319
<i>Calendra parvula</i> Gyll. See <i>Sphenophorus parvulus</i> Gyll.		
<i>Calendra</i> spp.	8	319
	9	346
<i>Calendra zaea</i> Walsh. See <i>Sphenophorus zaea</i> Walsh		
<i>Caliroa aethiops</i> Fab.	5	188
	6	244-245
<i>Caliroa amygdalina</i> Roh. See <i>Eriocampoides amygdalina</i> Roh.		
<i>Calligrapha rhoda walshiana</i> Blatch.	9	323, 339
<i>Calosoma frigidum</i> Kby.	6	238
<i>Calosoma sycophanta</i> L.	6	238
<i>Calosoma willcoxi</i> Lec.	6	238
<i>Camnula pellucida</i> Scud.	5	142
	6	199, 200
<i>Camponotus caryae decipiens</i> Wheeler	4	133
<i>Camponotus herculeanus</i> L.	5	193
<i>Carpocapsa pomonella</i> L.	1	12-13, 14
	2	32
	3	48, 57-58
	4	87, 98-99
	5	139, 157
	6	188-189, 210-211
	7	254, 263
	8	301
	9	327
	10	356

	<u>No.</u>	<u>Page</u>
<i>Celama sorghiella</i> Riley	8	300
<i>Centeter cinerea</i> Ald.	8	296-297
<i>Cephus cinctus</i> Nort.	3	47
<i>Ceratomegilla fuscilabris</i> Muls.	5	156
<i>Ceratomia catalpae</i> Bdv.	5	182
	6	240
	7	282
	8	313
	9	337
<i>Ceratophylus</i> sp.	3	81
<i>Cercopidae</i>	6	227
<i>Ceresa bubalus</i> Fab.	4	101
	6	213
<i>Ceromasia sphenophori</i> Vill.	4	118
<i>Cerotoma trifurcata</i> Forst.	3	72
	4	114
	5	140, 174
	9	334
<i>Ceutorhynchus rapae</i> Gyll.	3	71
	4	87, 112
	5	172
<i>Chaetocnema confinis</i> Crotch	5	177
	6	236
<i>Chaetocnema pulicaria</i> Melsh.	4	94
	5	153
<i>Chalcodermus aeneus</i> Boh.	6	2220
	7	261
	8	300
<i>Chalepus dorsalis</i> Thunb.	7	284
<i>Chauliognathus pennsylvanicus</i> Comst.	9	339
<i>Chelymorpha cassidea</i> Fab.	6	236
<i>Chermes abietis</i> Kalt.	5	185
	6	242
<i>Chermes pinicorticis</i> Fitch	2	39
	6	241
<i>Chilo oryzae</i> Fletch.	4	1120
<i>Chilo simplex</i> Butl.	4	88, 120
	5	140, 178
	10	362
<i>Chionaspis americana</i> Johns.	3	76
	4	88, 123
<i>Chionaspis euonymi</i> Comst.	1	22
	8	314-315
<i>Chionaspis furfura</i> Fitch	2	32
	3	76
	6	214
	8	302
<i>Chionaspis pinifoliae</i> Fitch	3	76
	4	124
	5	140, 184
	9	338

	No.	<u>Page</u>
<i>Chirida guttata</i> Oliv. - - - - -	4	116
	6	236
<i>Chorioptes caprae</i> Deb. Bourg. - - - - -	2	40
<i>Chorizagrotis auxiliaris</i> Grote - - - - -	2	31
	3	49-50
	4	96
	5	145
<i>Chramesus hicoriae</i> Loc. - - - - -	7	283
<i>Chromaphis juglandicola</i> Kalt. - - - - -	6	224
	8	304
<i>Chrysobothris femorata</i> Oliv. - - - - -	5	181
<i>Chrysomelidae</i> - - - - -	4	91
<i>Cicadula sexnotata</i> Fallen - - - - -	6	235
	8	309
<i>Cimbex americana</i> Leach - - - - -	5	182
<i>Cimex lectularius</i> L. - - - - -	2	39
	4	128
	7	288
<i>Cingilia catenaria</i> Drury - - - - -	7	273
	9	337
<i>Cirphis unipuncta</i> Haw. - - - - -	3	50
	4	93, 118-119
	6	202
	7	257
	9	326
	10	352
<i>Cnidocampa flavescens</i> Walk. - - - - -	10	368
<i>Coccinella novemnotata</i> Hbst. - - - - -	5	156
<i>Cochliomyia macellaria</i> Fab. - - - - -	2	40
	3	80
	4	131
	9	343
<i>Colaspis brunnea</i> Fab. - - - - -	4	95
	7	272
<i>Coleophora caryaefoliella</i> Clem. - - - - -	4	109
<i>Coleophora fletcherella</i> Fern. - - - - -	3	60
	4	99
	6	200, 212
	?	264
<i>Coleophora malivorella</i> Riley - - - - -	3	60
	4	99
	6	212
	7	264
<i>Coleophora</i> sp. - - - - -	3	59
	4	99
	5	139, 154, 158
	6	241
<i>Colopha ulmicola</i> Fitch - - - - -	5	182
	7	283
<i>Conotrachelus aratus</i> Germ. - - - - -	4	109
<i>Conotrachelus crataegi</i> Walsh - - - - -	5	161
	6	215
	7	267

<u>No.</u>	<u>Page</u>
<i>Conotrachelus nenuphar</i> Host. - - - - - 3	46, 64, 65
4	87, 106
5	139, 164
6	199, 218-219
7	270
8	294, 303
9	229
10	357
<i>Contarinia johnsoni</i> Sling. - - - - - 7	272
<i>Contarinia pyrivora</i> Riley - - - - - 4	194
5	139, 161
6	215
7	252, 267
<i>Coptocycla signifera</i> Hbst. See <i>Chirida</i> <i>guttata</i> Oliv.	
<i>Corcyra cephalonica</i> Staint. - - - - - 1	23
<i>Corizus hyalinus</i> Fab. - - - - - 9	340-341
<i>Corizus</i> spp. - - - - - 8	315
<i>Corythucha</i> sp. - - - - - 6	217
<i>Cosmopepla bimaculata</i> Thos. - - - - - 6	243
7	286
<i>Cotinis nitida</i> L. - - - - - 7	281
<i>Crambus</i> spp. - - - - - 4	93
5	139, 151-152
10	361
<i>Crambus trisectus</i> Walk. - - - - - 5	152
<i>Cremastogaster ashmeadi</i> Mayr - - - - - 9	346
<i>Cremastogaster laeviuscula clara</i> Mayr - - - 4	133
<i>Cremastus hymeniae</i> Vier. - - - - - 4	120
<i>Crioceris asparagi</i> L. - - - - - 4	88, 113
5	140, 172-173
6	231
10	360
<i>Crioceris duodecimpunctata</i> L. - - - - - 5	173
6	231
<i>Crioceris</i> spp. - - - - - 10	360
<i>Cryptococcus fagi</i> Dougl. - - - - - 5	142
<i>Cryptolaemus montrouzieri</i> Muls. - - - - - 1	15
3	67
6	224
8	305
10	358
<i>Cryptorhynchus lapathi</i> L. - - - - - 6	224
<i>Cryptotermes piceatus</i> Sny. See <i>Kalotermes</i> <i>piceatus</i> Sny.	
<i>Cryptothrips floridensis</i> Watson - - - - - 8	313
<i>Ctenocephalus canis</i> Curt. - - - - - 3	79
4	128
6	245, 246
7	287
8	316
9	341

	<u>No.</u>	<u>Page</u>
<i>Ctenocephalus felis</i> Bouche'	3 4 6 7 8 9	79 128 245, 246 287 316 341
<i>Ctenocephalus</i> spp.	6	245-246
<i>Culex</i> sp.	3 8	78 316
<i>Culicidae</i>	6 9	245 342
<i>Culicoides furens</i> Poey	7	288
<i>Cylas formicarius</i> Fab.	4 7 10	116 253, 280 360-361
<i>Cyllene robiniae</i> Forst.	6	241
<i>Cyrtorhinus mundulus</i> Bredd.	4	120
<i>Dasyneura leguminicola</i> Lint.	1	11
<i>Datana integerrima</i> G. & R.	5 6 7 8	139, 166-167 223 285 314
<i>Datana ministra</i> Drury	8	302
<i>Deltoccephalus balli</i> Van D.	4	92
<i>Dendroctonus brevicomis</i> Lec.	9 10	338 368
<i>Dendroctonus frontalis</i> Zimm.	1 10	22 369
<i>Dendroctonus monticolae</i> Hopk.	1 9 10	21-22 324 368
<i>Dendroctonus piceaperda</i> Hopk.	5	140, 185
<i>Dendroctonus ponderosae</i> Hopk.	10	368
<i>Dendroctonus</i> spp.	3	48
<i>Dermacentor variabilis</i> Say	4 7	129 288
<i>Dermestes lardarius</i> L.	4 8	133 318
<i>Desmia funeralis</i> Hbn.	4	108
<i>Dexia ventralis</i> Ald.	6	204
<i>Diabrotica balteata</i> Lec.	7 9	280 334
<i>Diabrotica duodecimpunctata</i> Fab.	1 2 3 4 6	17 37 46, 51, 64, 72 115 234
<i>Diabrotica longicornis</i> Say	8	299
<i>Diabrotica soror</i> Lec.	1 3	17 46, 52

	No.	Page
<i>Diabrotica vittata</i> Fab.	4	88, 114-115
	5	174-175
	6	233-234
	7	278
	8	309
<i>Diacrisia virginica</i> Fab.	7	261
<i>Dialeurodes citri</i> Ashm.	1	15
	4	87, 109-110, 126
	6	225
<i>Dialeurodes citrifolii</i> Morg.	1	15
<i>Diaphania nitidalis</i> Stoll	5	175
	7	278
	8	308
	9	334
<i>Diarthronomyia hypogaea</i> Loew	2	39
	3	77
	4	125
	5	186
<i>Diatraea saccharalis</i> Fab.	1	7, 19-20
	4	118
	5	152
	6	198, 208
	8	295, 310-311
	10	362
<i>Diatraea zeacolella</i> Dyar	6	208
	8	299
<i>Dictyophorus reticulatus</i> Thunb.	5	144
<i>Dilachnus thujaefolia</i> Theob.	3	75
<i>Diphadnus californicus</i> Marlatt	4	87, 104
<i>Diprion simile</i> Htg.	7	284
<i>Disonycha xanthomelaena</i> Dalm.	6	235
<i>Dorymyrmex pyramicus</i> flavus Perg.	7	290
<i>Dyslobus decorata</i> Lec.	2	35
	3	71
<i>Dyslobus granicollis</i> Lec.	2	35
	3	71
<i>Eburia quadrigeminata</i> Say	4	133
<i>Echidnophaga gallinacea</i> Westw.	4	131-132
	9	345
<i>Elasmopalpus lignosellus</i> Zell.	6	208
	7	260
<i>Elateridae</i>	1	17
	3	51
	4	86, 89-90
	5	138, 142, 147-148
	6	198, 200, 203-204
	7	252, 260-261
	8	296
	9	325
	10	351

	No.	Page
Eleodes opaca Say - - - - -	2	31
	3	50
	9	322, 325-326
	10	352
Eleodes spp. - - - - -	5	153
Elllopia fiscellaria Guen. - - - - -	5	143
	9	323
Empoa rosae L. - - - - -	4	127
Empoa unicolor Fitch. See Empoasca maligna Walsh		
Empoasca fabae Harr. - - - - -	5	170
	6	227-228
	7	277
Empoasca mali LeB. - - - - -	6	214
	7	265-266
	8	302
Empoasca maligna Walsh - - - - -	6	214
Emporia maculata Nort. - - - - -	9	332
Epicaerus imbricatus Say - - - - -	4	122
	5	160
Epicauta cinerea Forst. - - - - -	2	34
Epicauta cinerearmarginata Fab. - - - - -	9	339
Epicauta lemniscata Fab. - - - - -	4	111
	5	209
	7	274
Epicauta marginata Fab. - - - - -	7	274
Epicauta pennsylvania DeG. - - - - -	8	306
	9	339
Epicauta vittata Fab. - - - - -	5	169
	6	209, 226
	8	306
Epilachna borealis Fab. - - - - -	5	175
	8	309
Epilachna corrupta Muls. - - - - -	3	47, 71-72
	4	88, 113-114
	5	140, 142, 173-174
	6	199, 231-232
	7	276-277
	8	307-308
	9	322, 323, 332-334
	10	360
Epitrix cucumeris Harr. - - - - -	4	116
	5	169-170
	6	200, 327
	7	274
Epitrix fuscula Crotch - - - - -	4	117
	8	306
Epitrix parvula Fab. - - - - -	2	37
	3	74
	7	280
	8	310

	<u>No.</u>	<u>Page</u>
<i>Epochra canadensis</i> Loew	4	108
<i>Eriocampoides amygdalina</i> Roh.	5	162
<i>Eriocampoides limacina</i> Retz.	6	215, 218
	7	254, 267, 270
<i>Eriophyes abnormis</i> Garm.	6	239
<i>Eriophyes oleivorus</i> Ashm.	1	16
	4	110
	6	225
<i>Eriophyes pyri</i> Pgst.	4	104
	5	161
	6	215
	7	266
<i>Eriophyes ribis</i> Nal.	3	48
<i>Eriophyes</i> spp.	5	180, 187
	6	239
<i>Eriosoma americanum</i> Riley	5	182
	6	240
<i>Eriosoma lanigerum</i> Hausm.	1	12
	3	57
	4	97
	5	156
	8	301
<i>Erythroneura comes</i> Say	5	142, 165
	6	222
	7	272
	8	303
	9	329
<i>Erythroneura tricincta</i> Fitch	6	222
<i>Estigmene acraea</i> Drury	4	96
<i>Eucleidae</i>	8	316-317
<i>Eutheola rugiceps</i> Lec.	2	37
	3	74
	4	93-94
	5	153
<i>Eulia mariana</i> Fern.	9	323
<i>Eulia velutinana</i> Walk.	9	328
<i>Eumerus strigatus</i> Fallen	4	126
	6	235
	9	340
<i>Eurymus eurytheme</i> Bdv.	7	262
<i>Euschausia argentata</i> Pack.	3	76
<i>Eusimulium pecuarum</i> Riley	3	47, 79
<i>Eutettix tenellus</i> Baker	4	115-116
	10	361
<i>Euxoa ochrogaster</i> Guen.	5	142
	6	201
<i>Euxoa</i> sp.	5	144
<i>Evergestis rimosalis</i> Guen.	7	275
<i>Exeristes roborator</i> Fab.	4	93
<i>Feltia annexa</i> Treit.	5	144
<i>Feltia malefida</i> Guen.	4	90
<i>Fenusia pumila</i> Klug	9	324

	<u>No.</u>	<u>Page</u>
<i>Fidia viticida</i> Walsh	5	165
	6	199, 221
	7	272
<i>Forficula auricularia</i> L.	7	289
	9	345
<i>Formicidae</i>	4	128
	5	190
	6	247-248
	8	315
<i>Frankliniella fusca</i> Hinds	6	236
<i>Frankliniella tritici</i> Fitch	5	189
<i>Frankliniella tritici bispinosa</i> Morg.	3	67
<i>Frankliniella vaccinii</i> Morg.	8	294, 303
<i>Galerucella decora</i> Say	7	254
<i>Galerucella</i> spp.	5	180-181
<i>Galerucella xanthomelaena</i> Schr.	6	199, 240-241
<i>Gastrophilus haemorrhoidalis</i> L.	9	343
<i>Geoica radicola</i> Essig	6	232
<i>Geometridae</i>	2	38
	4	100
	6	200, 238
<i>Goniurus proteus</i> L.	8	295, 308
	9	334
<i>Gortyna immanis</i> Guen.	5	151
<i>Gortyna micacia</i> Esp.	3	47
<i>Gossyparia spuria</i> Mod.	4	123
	5	183
<i>Gracilaria syringella</i> Fab.	6	200
<i>Graptolitha antennata</i> Walk.	5	158
	7	265
<i>Gryllotalpa africana</i> Beauv.	4	119
<i>Habrolepis dalmanni</i> Westw.	1	21
<i>Hadena arctica</i> Bd. See <i>Septis</i>		
<i>arctica</i> Bd.		
<i>Hadena devastatrix</i> Brace. See <i>Sidemia</i>		
<i>devastatrix</i> Brace		
<i>Hadena fractilinea</i> Grote. See <i>Oligia</i>		
<i>fractilinea</i> Grote		
<i>Hadena</i> sp.	5	151
<i>Haemaphysalis chordeilis</i> Pack.	6	246
<i>Haematobia irritans</i> L.	2	40
	3	80
	4	129-130
	6	246
	8	317
	9	342-343
<i>Haematopinus eurysternus</i> Nitz.	4	130
	6	246
<i>Haematosiphon inodora</i> Duge	9	345
<i>Haltica bimarginata</i> Say	7	254
	9	338-339
<i>Haltica chalybea</i> Ill.	6	222
	7	272
<i>Haltica torquata</i> Lec.	3	66

	<u>No.</u>	<u>Page</u>
<i>Halticus citri</i> Ashm.	6	232
<i>Harmolita tritici</i> Fitch	6	206
	7	252, 258, 259
<i>Harmolita vaginicola</i> Doane	5	150
	6	206
	7	259
<i>Harmologa fumiferana</i> Clem.	5	143, 185
	6	200
	9	323, 324
	10	369
<i>Harrisina americana</i> Guer.	6	221
<i>Heliothis obsoleta</i> Fab.	4	93, 126
	5	145-146
	7	252, 254, 259
	8	298
	9	335
	10	353
<i>Heliothis virescens</i> Fab.	4	117
	5	177
	8	310
<i>Heliothrips haemorrhoidalis</i> Bouche'	9	340
<i>Hemerocampa bilineata</i> Pack.	7	282
<i>Hemerocampa leucostigma</i> S. & A.	1	20
	3	75
	5	159
	6	238
	7	282
	9	336
	10	367
<i>Hemerocampa pseudotsugata</i> McD.	7	254
<i>Hemerophila pariana</i> Clerck	3	58
	5	158
	6	212
	7	264
<i>Heteroderes laurentii</i> Guer.	7	253, 280
	10	351
<i>Heteroderes</i> sp.	3	70
<i>Heterostomus pulicarius</i> L.	3	70
<i>Hippelates flavipes</i> Loew	5	141, 191-192
<i>Hippelates</i> sp.	4	129
	5	141
<i>Hippodamia convergens</i> Guer.	1	17
	4	91
<i>Horistonotus</i> spp.	7	260
<i>Horistonotus uhleri</i> Horn	5	138, 153-154
	10	351
<i>Hydroecia micacia</i> Esp. See <i>Gortyna</i>		
<i>micacia</i> Esp.		
<i>Hylemyia antiqua</i> Meig.	4	115
	5	140, 175-176
	6	199, 227, 235
	7	278-279
	8	309

	No.	Page
Hylemyia brassicae Bouche	4	111-112
	5	140, 171
	6	229
	7	253, 275
Hylemyia ciliocrura Rond.	3	27, 34
	4	93
	6	226-227
	10	360
Hylemyia fusciceps Zett. See Hylemyia ciliocrura Rond.		
Hymenia fascialis Cram.	9	334
Hymenia perspectalis Hbn.	7	279
	8	307
Hymenorus obscurus Say	5	139, 167-168
Hypera punctata Fab.	3	52
	5	155
Hyperaspis binotata Say. See Hyperaspis signata Oliv.		
Hyperaspis signata Oliv.	6	241
Hypermallus villosus Fab.	7	284
Hyphantria cunea Drury	5	180
	6	212, 239
	7	265
	8	311-312
	9	337
Hypoderma bovis DeG.	2	40
	3	79-80
	4	130
	5	143
	6	246
Hypoderma lineatum DeVill.	2	40
	3	79-80
	4	130
Hypoderma sp.	9	323, 343
Hysteronera setariae Thos.	3	66
	4	106-107
	5	163- 184
	6	219
	10	356
Icerya purchasi Mask.	3	77
Ichneumonidae	5	191
Idiocerus provancheri Van D.	4	101
Illinoia pisi Kalt.	2	31
	3	51
	4	86, 95
	5	154-155
	6	232-233
	7	277
	8	300
	10	359

	No.	Page
<i>Illinoia solanifolii</i> Ashm.	2	34
	3	78
	4	127
	6	228
	7	274
<i>Iridomyrmex analis</i> Andre	3	71
	9	346
<i>Iridomyrmex humilis</i> Mayr	4	132-133
	5	192-193
	7	290
<i>Isotoma quadrioculata</i> Tullb.	5	193
<i>Ithycerus noveboracensis</i> Forst.	7	265
<i>Janus integer</i> Nort.	6	242
<i>Jassidae</i>	4	86, 101
	6	243
	9	328
<i>Kalotermes piceatus</i> Sny.	3	81
<i>Kalotermes</i> sp.	2	41
<i>Lachnus longistigma</i> Monell. See <i>Longistigma caryaefoliae</i> Harr.		
<i>Lagoa crispata</i> Pack.	7	288
<i>Laphygma frugiperda</i> S. & A.	4	91
	6	198, 202
	7	257
	8	294, 300-301
	10	352
<i>Larra luzonensis</i> Roh.	4	119
<i>Lasioderma serricorne</i> Fab.	2	42
	6	248
	7	290
	8	318
	9	346
<i>Lasioptera vitis</i> O. S.	5	165
<i>Lasius interjectus</i> Mayr	2	41
<i>Lasius niger americanus</i> Emery	6	247
<i>Laspeyresia caryaefoliae</i> Fitch	7	272-273
	9	330
<i>Laspeyresia molesta</i> Busck	3	46, 64, 77
	4	87, 104, 105
	5	139, 161-162
	6	199, 216-217
	7	253, 268
	8	302-303
	9	323, 329
	10	357
<i>Laspeyresia packardi</i> Zell.	6	200
<i>Lecanium corni</i> Bouche'	3	63
	6	219, 222
	7	269
<i>Lema trilineata</i> Oliv.	6	227

	<u>No.</u>	<u>Page</u>
<i>Lepidosaphes beckii</i> Newm.	1	16
	8	305
<i>Lepidosaphes ulmi</i> L.	1	20
	3	75
	4	102
	5	159, 181
	7	266
	8	315
<i>Lepisma saccharina</i> L.	4	133
	8	318
<i>Leptidae</i>	7	255
	8	316
<i>Leptinotarsa decemlineata</i> Say	3	69
	4	111
	5	139, 169
	6	227
	7	274
	9	323
	10	359
<i>Leptobyrsa rhododendri</i> Horv. See <i>Stephanitis rhododendri</i> Horv.		
<i>Leptocoris trivittatus</i> Say	1	21
	2	38
	3	75
	5	182
	6	240
	8	313
	9	337
<i>Leptoglossus phyllopus</i> L.	8	300, 305
<i>Levuana iridescens</i> Bethune-Baker	2	33
<i>Ligyrus gibbosus</i> DeG.	5	169
	6	226
<i>Linognathus stenopsis</i> Burm.	9	343-344
<i>Linognathus vituli</i> L.	3	79
	4	130
<i>Liponyssus bacoti</i> Hirst	3	82
<i>Liponyssus bursa</i> Berlese	1	23
<i>Listroderes costirostris</i> Gyll.	2	34
<i>Listroderes obliquus</i> Gyll.	1	8, 18-19
	2	27, 34
	3	69
	10	361
<i>Longistigma caryae</i> Harr.	4	109, 122
	5	182
<i>Longistigma longistigma</i> Monell. See <i>Longistigma caryae</i> Harr.		
<i>Loxostege similalis</i> Guen.	7	262
	8	306
<i>Lucilia</i> sp.	2	40
<i>Ludius aereipennis</i> Kby.	7	254
<i>Lumbricus</i> sp.	3	78
	4	127
<i>Luperodes varicornis</i> Lec.	6	209
<i>Lycaena ladon</i> Cram. See <i>Lycaenopsis</i> <i>pseudargiolus</i> Bdv. & Lec.		
		245

	No.	Page
<i>Lycaenopsis pseudargiolus</i> Bdv. & Lec.	6	245
<i>Lycophotia margaritosa</i> saucia Hbn.	3	70-71
	4	90
	5	144, 145
<i>Lyctus planicollis</i> Lec.	3	82
<i>Lyctus</i> spp.	2	42
	4	133
	5	160, 193
	6	247
<i>Lygaeonematus erichsoni</i> Htg. See <i>Nematus</i>		
erichsoni Htg.		
<i>Lygidea mendax</i> Reut.	4	102
	5	159-160
	6	214
	7	265
	9	328
<i>Lygus invitus</i> Say	6	210
<i>Lygus pratensis</i> L.	1	17
	3	53
	4	105
	6	228
	7	267
	8	314
	9	339
<i>Lygus quercalba</i> Knight	7	269
<i>Lynchia maura</i> Bigot	9	344-345
<i>Macremphytis</i> sp.	7	287
<i>Macrobasis unicolor</i> Kby.	6	226
	8	306
<i>Macrocentrus aencylivora</i> Roh.	5	162
	10	357
<i>Macrodactylus subspinosus</i> Fab.	4	105
	5	165, 189
	6	198, 200, 203
	7	256
<i>Macronoctua onusta</i> Grote	4	126
	5	187-188
	6	244
<i>Macrociphoniella sanborni</i> Gill.	4	125
	5	187
<i>Macrosiphum granarium</i> Kby.	6	205
<i>Macrosiphum illinoiensis</i> Shimer	6	221
<i>Macrosiphum pisi</i> Kalt. See <i>Illinoia</i>		
pisi Kalt.		
<i>Macrosiphum rosaeefolium</i> Theob. See		
<i>Illinoia solanifolii</i> Ashm.		
<i>Malacosoma americana</i> Fab.	2	32
	3	68, 59
	4	87, 100
	5	142, 158-159
	6	212
	7	268
	10	357

	<u>No.</u>	Page
Malacosoma disstria Hbn.	5	142
	7	254-255
Malacosoma fragilis Stretch	10	369
Malacosoma spp.	3	59
	5	142
Mamestra picta Harr.	5	172
	6	226
Margaropus annulatus australis Full.	7	288
Megalopyge opercularis S. & A.	9	342
Melanocallis caryaefolia Davis	8	304
Melanoplus atlantis Riley	8	296
Melanoplus bivittatus Say	7	256
Melanoplus differentialis Thos.	7	256
	8	296
Melanoplus femur-rubrum DeG.	8	296
Melanoplus sp.	4	118
	5	144
	6	201
	9	325
Melanotus cribulosus Léc.	6	203
Melanotus pilosus Blatch.	7	261
	10	351
Melanotus sp.	4	191
	7	261
Melittia satyriniformis Hbn.	4	115
	5	175
	8	309
Meloidae	5	169
Melophagus ovinus L.	4	131
Menopon stramineum Nitz.	3	80-81
Merodon equestris Fab.	2	39
	4	126
Meromyza americana Fitch	5	138, 149
	6	198, 205-206
	10	353
Mesogramma politum Say	9	326
Metallus rubi Forbes	7	271
Metallus sp.	6	220
Metriona bicolor Fab.	4	116
	6	236
Metriona bivittata Say	4	116
	6	236
Microbracon gelechiae Ashm.	1	11
Mineola indigenella Zell.	1	13
Miris dolabratus L.	5	138, 149
Monocesta coryli Say	8	313
Monochamus sp.	9	338
Monocrepidius bellus Say	5	148
	8	296
Monocrepidius exsul Sharp	4	119
Monocrepidius lividus DeG.	4	94
	7	272
	8	296
Monocrepidius sp.	2	27, 37

	No.	Page
Monocrepidius vespertinus Fab.	4	118
	5	148
	7	260
	8	296
	10	351
Monomorium minimum Buckl. See Monomorium minutum Mayr.		
Monomorium minutum Mayr	5	190
Monophadnoides rubi Harr.	5	164
	6	199, 200, 219-220
	7	271
	10	359
Murgantia histrionica Hahn	2	35
	3	48, 70
	4	112
	5	172
	6	229-230
	7	275-276
	8	307
	9	322, 332
	10	359
Musca domestica L.	2	39
	3	78079
	4	128
	7	288
Mylabris chinensis L.	8	300
Mylabris obtectus Say	4	134
	5	194
Myriapoda	4	110
Myzocallis fumipennellus Fitch	8	304
	9	330
Myzus cerasi Fab.	3	65
	5	163
	6	218
	7	289-270
Myzus persicae Sulz.	1	18
	3	64
	4	105
	5	162
	6	217, 230
	7	267, 279
Myzus ribis L.	3	66
	4	108
	5	166
	6	223
	7	272
Nabis ferus L.	4	95
	6	233
Napomyza lateralis Fallen	9	340
Neleucania albilinea Hbn.	6	206
Nematus erichsoni Htg.	5	143
	6	242
	7	255, 283-284
	9	324

	<u>No.</u>	<u>Page</u>
<i>Neoclytus capraea</i> Say - - - - -	5	181
	7	282
<i>Neodiprion abietis</i> Harr. - - - - -	5	185
	6	241
<i>Neodiprion dyari</i> Roh. - - - - -	4	124
<i>Neodiprion excitans</i> Roh. - - - - -	7	284
<i>Neodiprion lecontei</i> Fitch - - - - -	9	337
<i>Neodiprion</i> sp. - - - - -	5	140, 184-185
<i>Noctuidae</i> - - - - -	2	31
	3	46
	4	86, 90
	5	138, 142, 144-145, 191
	6	198, 201-202
	7	252, 254
	10	351
<i>Nodonota puncticollis</i> Say - - - - -	5	160, 189
<i>Nygma phaeorrhoea</i> Don. - - - - -	3	48
	10	367-368
<i>Oberea bimaculata</i> Oliv. - - - - -	6	220
	7	271
<i>Oberea tripunctata</i> Fab. - - - - -	4	106
<i>Ochrosidia villosa</i> Burm. - - - - -	9	326
<i>Oecanthus californicus</i> Sauss. - - - - -	7	269
<i>Oecanthus nigricornis</i> Walk. - - - - -	4	107
<i>Oecanthus niveus</i> DeG. - - - - -	3	77
	9	327
<i>Oecanthus</i> sp. - - - - -	6	220
<i>Oestrus ovis</i> L. - - - - -	3	80
	9	343
<i>Olethreutes abietana</i> Fern. See <i>Argyroploce abietana</i> Fern.		
<i>Olethreutidae</i> - - - - -	5	185
<i>Oligia fractilinea</i> Grote - - - - -	5	145
	6	208
<i>Omiodes accepta</i> Butl. - - - - -	4	119
<i>Omiodes</i> sp. - - - - -	4	120
<i>Oniscidae</i> - - - - -	3	69
	4	125
<i>Ootetrastichus beatus</i> Perk. - - - - -	4	120
<i>Orchestes pallicornis</i> Say - - - - -	6	213
	9	328
<i>Orchestes rufipes</i> Lec. - - - - -	5	186
<i>Oryzaephilus surinamensis</i> L. - - - - -	8	319
	9	346
<i>Oxya chinensis</i> Thunb. - - - - -	4	119
<i>Oxyptilus periselidactylus</i> Fitch - - - - -	5	165
	7	271-272
<i>Pachypsylla celtidis-mamma</i> Riley - - - - -	7	283
	8	313
<i>Paleacrita vernata</i> Peck. - - - - -	1	20
	4	100-101
<i>Pandemis limitata</i> Rob. - - - - -	3	47
<i>Pantomorus fulleri</i> Horn - - - - -	5	190
	6	243

	No.	Page
Papaipema nebris nitela Guen.	4	111
	5	138, 150
	6	206-207
	7	260
	8	297-298
	9	326
	10	353
Papaipema purpurifascia G. & R.	6	243
Paranagrus optabilis Perk.	4	120
Paratetranychus citri McGregor	1	16
Paratetranychus pilosus Can. & Fanz.	1	12
	3	46, 48, 52-53
	4	86, 87, 103
	5	141, 160
	6	210
	7	266
	10	358
Paratetranychus uniunguis Jacoby	5	186
	7	285
Paralechia pinifoliella Chamb.	4	88, 124
	5	186
Paratriozza cockerelli Sulz.	6	228
Paria canella Fab.	1	22
Paria canella gilvipes Horn	1	22
Pectinophora gossypiella Saund.	1	7, 19
	3	74
Pegomya hyoscyami Panz.	5	177
	7	279
Pemphigus fraxinifolii Thoms.	6	239
Pentatomidae	3	64
Peregrinus maidis Ashm.	7	261
	8	299
Periphyllus lyropictus Kess.	4	123
Periphyllus negundinis Thos.	4	123
	6	240
Perkinsiella saccharicida Kirk.	4	120
Peronea variana Fern.	3	48
Pheidole morrisi dentata Mayr	5	192
Pheletes agonus Say	5	147
	10	351
Phlebatrophia mathesoni MacGil.	10	369
Phlegethontius quinquemaculata Haw. See Protoparce quinquemaculata Haw.		
Phlegethontius sexta Johan. See Protoparce sexta Johan.		
Phlegethontius spp. See Protoparce spp.		
Phlyctaenia ferrugalis Hbn.	4	125
Phobetron pithecium S. & A.	7	264
	8	301
	9	327
Phorbia fusciceps Zett. See-Hylemyia ciliocrura Rond.		
Phormia regina Meig.	2	40
	4	131

	<u>No.</u>	<u>Page</u>
<i>Phthorimaea operculella</i> Zell. - - - - -	4	117-118
	5	177
<i>Phthorophloeus liminaris</i> Harr. - - - - -	6	218
<i>Phyllophaga cribrosa</i> Lec. - - - - -	5	190
<i>Phyllophaga futilis</i> Lec. - - - - -	2	30
<i>Phyllophaga</i> spp. - - - - -	1	9
	2	30
	3	49
	4	86, 89, 127
	5	138, 142, 146-147
	6	202
	7	256
	10	351
<i>Phyllotreta armoraciae</i> Koch. - - - - -	3	47, 72
	4	116-117
<i>Phyllotreta pusilla</i> Horn - - - - -	4	117
	5	169
	6	226
<i>Phyllotreta vittata</i> Fab. - - - - -	3	73
	4	111
	5	176
	6	230
<i>Phylloxera caryaecaulis</i> Fitch - - - - -	4	109
	5	167
<i>Phylloxera devastatrix</i> Perg. - - - - -	4	109
	5	167
<i>Phylloxera notabilis</i> Perg. - - - - -	4	109
	5	167
<i>Phylloxera vitifoliae</i> Fitch - - - - -	6	222
	9	322, 329-330
<i>Physokermes piceae</i> Schr. - - - - -	5	186
	6	242
<i>Phytomyza aquilegiae</i> Hardy - - - - -	5	187
	6	243
<i>Phytomyza delphiniae</i> Frost - - - - -	6	244
<i>Phytonomus nigrirostris</i> Fab. - - - - -	4	86, 96
	5	139, 155
	10	352
<i>Phytonomus posticus</i> Gyll. - - - - -	5	154
	10	352
<i>Phytophaga destructor</i> Say - - - - -	1	7, 9-10
	2	27, 30
	3	50
	4	86, 91-92
	5	138, 148-149
	6	204-205
	7	252, 257-258
	8	294, 297
	9	325
	10	352

	No.	Page
Pieris rapae L.	3	70
	4	111
	5	170
	6	229
	7	253, 254, 275
	8	307
	9	332
Pissodes deodarae Hopk.	1	21
	2	38
	3	75-76
Plagiodesma versicolora Laich.	7	285
Plagiotrochus suberi Weld	5	140-141, 183-184
Plastophora crawfordi Coq.	7	290
Plathypena scabra Fab.	5	173
	7	262
Platyptilia carduidactyla Riley	1	17
	2	36-37
Plectrodera scalator Fab.	7	283
Plodia interpunctella Hbn.	5	194
	9	346
Plutella maculipennis Curt.	5	140, 171
	6	229
Podosesia fraxini Lugger	5	181
	6	239
Podura aquatica L.	7	289
Poecilocapsus lineatus Fab.	9	339
Pollenia rudis Fab.	2	40
	9	342
Polychrosis viteana Clem.	5	165
	6	221
Pomphopoea sayi Lec.	5	182
Popillia japonica Newm.	1	9
	6	204
	7	252, 256
	8	294, 296-297
	10	354-355
Porosagrotis orthogonia Morr.	5	138, 145
	10	351
Porthetria dispar L.	4	122
	6	237
	8	311
	10	367
Prenolepis sp.	4	133
	5	192
Prionus imbricornis L.	1	13
	8	299
Prociphilus tessellatus Fitch	4	123
Prodenia eridania Cram.	7	253, 286
	8	306
	10	362
Prodenia sp.	9	335
Prosena sibirita Fab.	6	204
Proteopteryx bolliana Sling.	5	141, 167
	6	223
	7	273

	<u>No.</u>	<u>Page</u>
Protoparce quinquemaculata Haw.	7	274
	9	335
Protoparce sexta Johan.	6	228
	7	274
	8	310
	9	335
Protoparce spp.	5	177
	7	280
Psara periusalis Walk.	9	336
Pseudococcus boninsis Kuwana	4	120
Pseudococcus gahani Green	1	115
	3	67
	5	168
	6	224
	8	305
	9	322, 331
	10	358
Pseudococcus maritimus Ehrh.	7	276
Pseudoscorpiones	5	193
Psila rosae Fab.	3	72
	6	234
	7	279
	9	335
Psychoda albipuncta Will.	9	342
Psyllia pyricola Foerst.	3	60-62
	4	87, 103
	5	160-161
	6	214
	7	266
Pteronidea ribesi Scop.	4	108
	5	166
	7	272
Pulex irritans L.	4	128
	8	316
	9	341
Pulvinaria amygdali Ckll.	3	63-64
	5	163
	6	217
	7	269
Pulvinaria vitis Rathv.	4	124
	5	183
	6	241
	7	284
Pyrausta ainsliei Heinr.	6	207
Pyrausta nubilalis Hbn.	1	11
	4	92-93
	5	150-151
	6	207
	8	294, 298
	9	323
	10	354

<i>Reduvius personatus</i> L.	- - - - -	8	317
<i>Reticulitermes flavipes</i> Kollar	- - - - -	2	41
		5	192
<i>Reticulitermes</i> spp.	- - - - -	1	23
		2	41
		3	81
		4	88, 132
		5	141
		6	199, 247
		7	289
		8	317-318
		9	345-346
		10	369
<i>Reticulitermes tibialis</i> Bks.	- - - - -	4	132
		5	192
		7	289
		8	317-318
		9	345-346
<i>Reticulitermes virginicus</i> Bks.	- - - - -	3	81
		5	192
<i>Rhabdocnemis obscura</i> Bdv.	- - - - -	4	118
<i>Rhabdopterus picipes</i> Oliv.	- - - - -	6	213
<i>Rhagoletis cingulata</i> Loew	- - - - -	5	163
		6	217
<i>Rhagoletis fausta</i> O. S.	- - - - -	5	163
		6	217
<i>Rhagoletis juglandis</i> Cress.	- - - - -	8	224
		9	322, 330
		10	358
<i>Rhagoletis pomonella</i> Walsh	- - - - -	6	213
		7	264
		8	301
		9	327
<i>Rhagoletis</i> spp.	- - - - -	7	270
<i>Rhipicephalus sanguineus</i> Latr.	- - - - -	9	344
<i>Rhizoglyphus hyacinthi</i> Bdv.	- - - - -	2	39
		3	77-78
		4	126-127
		9	340
<i>Rhodites bicolor</i> Harr.	- - - - -	5	189
<i>Rhodites nebulosus</i> Bass.	- - - - -	5	189
		6	245
<i>Rhopalosiphum prunifoliae</i> Fitch	- - - - -	3	46, 55-56
		4	97-98
		5	156
<i>Rhopalosiphum pseudobrassicae</i> Davis	- - - - -	1	19
		5	146
<i>Rhyacionia buoliana</i> Schiff.	- - - - -	5	184
		7	285
<i>Rhyacionia frustrana</i> Comst.	- - - - -	5	184
		6	241
<i>Saissetia oleae</i> Bern.	- - - - -	3	68
		5	168
		6	224
		8	305

	No.	Page
Samia cecropia L.	1	21
	5	180
Saperda calcarata Say	7	285
Saperda candida Fab.	3	60
	4	102
	5	160
	6	213-214
	7	265
Saperda tridentata Oliv.	5	182
	6	240
	7	283
Sarcoptes scabiei suis DeG.	3	80
Scapteriscus vicinus Scudd.	7	253, 274
Scarites subterraneus Fab.	4	95
Schistoceros hamatus Fab.	See Amphicerus bicaudatus Say	
Schizura concinna S. & A.	7	283
	9	327
Scobicia declivis Lec.	2	42
Scolia manilae Ashm.	4	119
	10	355
Scolytus rugulosus Ratz.	3	60
	4	106
	5	162
	6	218
	7	270
Scutellista cyanea Mots.	5	168
Scutigera immaculata Newp.	7	261
	8	314
Seirondonta bilineata Pack.	See Hemerocampa bilineata Pack.	
Septis arctica BdV.	6	201
Sesia pictipes G. & R.	4	105
	6	216
	7	268
Sesia scitula Harr.	4	109
Sibine stimulea Clem.	8	298-299
Sidemia devastatrix Brace	4	90
Simuliidae	7	255
Simulium pecuarum Riley.	See Eusimulium pecuarum Riley	
Siphonaptera	5	141, 191
	8	316
	9	323
Sitodrepa panicea L.	8	319
Sitotroga cerealella Oliv.	4	118
	8	318-319
Solenopsis geminata Fab.	3	71
	4	133
	5	193
	7	289-290
	9	346

	No.	Page
<i>Solenopsis molesta</i> Say - - - - -	9	346
<i>Sparganothis pettitana</i> Rob. - - - - -	9	324
<i>Sphenophorus callosus</i> Oliv. - - - - -	4	86, 94
<i>Sphenophorus maidis</i> Chitt. - - - - -	6	209
	7	260
<i>Sphenophorus parvulus</i> Gyll. - - - - -	4	94
	5	139, 152-153
<i>Sphenophorus</i> spp. - - - - -	5	139, 152-153
	6	209
	10	353
<i>Sphenophorus zeae</i> Walsh - - - - -	4	86, 94
	5	139, 152-153
<i>Spilonota ocellana</i> Schill. - - - - -	3	47, 58
	4	86, 99
	5	141, 158
	6	212
	7	264
<i>Spodoptera mauritia</i> Bd. - - - - -	4	118-119
<i>Stephanitis rhododendri</i> Haw. - - - - -	7	287
<i>Stictocephala festina</i> Say - - - - -	7	262
<i>Stilpnotia salicis</i> L. - - - - -	5	186
	6	200
	8	295, 312
	10	368
<i>Stomoxys calcitrans</i> L. - - - - -	3	317
<i>Strategus julianus</i> Burm. - - - - -	6	244
<i>Suleima helianthana</i> Riley - - - - -	9	341
<i>Symmerista albifrons</i> S. & A. - - - - -	9	338
<i>Sympylidae</i> - - - - -	3	69
<i>Syneta albida</i> Lec. - - - - -	3	60
<i>Systema pallicornis</i> Schif. - - - - -	6	222
<i>Systema taeniata</i> Say - - - - -	5	170
	6	210
<i>Tabanidae</i> - - - - -	7	255
	3	317
<i>Tabanus lasiophthalmus</i> Macq. - - - - -	6	246
<i>Tachypterellus quadrigibbus</i> Say - - - - -	4	103
	7	270
	9	322, 328
<i>Taeniothrips inconsequens</i> Uzel - - - - -	2	32
	3	62-63
	4	104
	5	160
	6	215
	7	267
<i>Tapinoma sessile</i> Say - - - - -	4	133
	6	247
	7	290
<i>Tarsonemus pallidus</i> Bks. - - - - -	4	126
	5	187
	9	328
<i>Tenebroides mauritanicus</i> L. - - - - -	9	346
<i>Tenthredinidae</i> - - - - -	4	109

	<u>No.</u>	<u>Page</u>
Tetanops aldrichi Hendel	5	176-177
Tetrachemus sp.	5	168
Tetraleurodes mori Quaint.	8	312
Tetranychus bimaculatus Harvey. See Tetranychus telarius L.		
Tetranychus telarius L.	3	68
4	125	
5	188	
6	220, 223, 243	
7	282	
8	312	
9	340	
Tetranychus pacificus McGregor	6	239
Tetranychus sp.	7	286-287
Thrips haemorrhoidalis Bouche'. See Heliothrips haemorrhoidalis Bouche'		
Thrips tabaci L.	2	36
6	234-235	
7	278	
8	294, 307	
Thylacites incanus L.	5	140, 185
Thyreocoris pulicarius Germ.	5	186
7	286	
Thyridopteryx ephemeraeformis Haw.	1	7, 20
2	37-38	
3	75	
4	122	
5	180	
6	237	
7	281	
8	311	
9	336	
10	367	
Thrykillus pacificus Uhl.	5	150
Thysanoptera	4	96
5	187	
6	209	
Tibicina sayi S. & G.	7	281
Tibicina septendecim L.	2	27, 29
3	47, 74	
4	88, 121-122	
5	141, 178-180	
6	236, 237	
7	253, 281	
10	362-366	
Tinea granella L.	5	194
Tinea pellionella L.	8	318
Tineola biselliella Hum.	4	134
Tiphia popilliavora Roh.	8	296
Tiphia vernalis Roh.	6	204
Tipulidae	5	154

	<u>No.</u>	<u>Page</u>
Tmetocera ocellana Schiff. See <i>Spilohota ocellana</i> Schiff.		
Tortrix citrana Fern. - - - - -	4	110
Toumeyella liriodendri Gmel. - - - - -	3	314
	9	338
Toumeyella pinicola Ferris - - - - -	6	242
Toxoptera graminum Rond. - - - - -	1	11
	2	27, 30-31
	4	86, 92
	5	149-150
	10	353
Tremex columba L. - - - - -	9	337-338
Triaspis curculionis Fitch - - - - -	5	164
	7	270
Triatoma sanguisuga Lec. - - - - -	3	80
Tribolium confusum Duv. - - - - -	9	346
Trichobaris trinotata Say - - - - -	5	170
Trichodectes climax Nitz. - - - - -	9	344
Trichodectes hermsi Kellogg & Nakayama - -	9	344
Trichogramma minutum Riley - - - - -	4	98, 118
	5	161
	6	208, 211, 238
Trionymus sacchari Ckll. - - - - -	4	120
Troctes divinatoria Muell. - - - - -	8	318
Trombicula irritans Riley - - - - -	3	79
	7	287
Tylenchus dipsaci Kuhn - - - - -	4	127
Tyloderma fragariae Riley - - - - -	1	17-18
	6	230
Typhlocyba pomaria McAtee - - - - -	4	101
	6	214
Typophorus viridicyaneus Crotch - - - - -	8	295, 310
Xylobiops basilare Say - - - - -	3	66
Xylocopa virginica Drury - - - - -	5	193
Xylocrius agassizi Lec. - - - - -	4	108
Zeuzera pyrina L. - - - - -	7	281
Zophodia grossulariae Riley - - - - -	5	166
	6	223

C O M M O N N A M E I N D E X

Alder flea beetle	<i>Haltica bimarginata</i> Say
Alfalfa caterpillar a.n.o.	<i>Eurymus eurytheme</i> Bdv.
Alfalfa nematode	<i>Tylenchus dipsaci</i> Kuhn
Alfalfa weevil a.n.o.	<i>Phytonomus posticus</i> Gyll.
American dog tick a.n.o.	<i>Dermacentor variabilis</i> Say
Angoumois grain moth a.n.o.	<i>Sitotroga cerealella</i> Oliv.
Apple and thorn skeletonizer	<i>Hemerophila pariana</i> Clerck
Apple aphid a.n.o.	<i>Aphis pomi</i> DeG.
Apple curculio a.n.o.	<i>Tachypterus quadrigibbus</i> Say
Apple flea weevil a.n.o.	<i>Orcheses pallicornis</i> Say
Apple grain aphid a.n.o.	<i>Rhopalosiphum prunifoliae</i> Fitch
Apple leafhopper a.n.o.	<i>Empoasca mali</i> LeB.
Apple maggot a.n.o.	<i>Rhagoletis pomonella</i> Walsh
Apple redbug a.n.o.	<i>Lygidea mendax</i> Reut.
Apple twig borer a.n.o.	<i>Amphicerus bicaudatus</i> Say
Arborvitae leaf miner a.n.o.	<i>Argyresthia thuiella</i> Pack.
Argentine ant a.n.o.	<i>Iridomyrmex humilis</i> Mayr
Army cutworm a.n.o.	<i>Chorizagrotis auxiliaris</i> Grote
Armyworm a.n.o.	<i>Cirphis unipuncta</i> Haw.
Artichoke plume moth	<i>Platyptilia carduidactyla</i> Riley
Ash aphid	<i>Pemphigus fraxinifolii</i> Thoms.
Ash borer	<i>Podosesia fraxini</i> Lugar
Asiatic beetle	<i>Anomala orientalis</i> Waterh.
Asparagus beetle a.n.o.	<i>Crioceris asparagi</i> L.
Bagworm a.n.o.	<i>Thyridopteryx ephemeraeformis</i> Haw.
Banded ash borer	<i>Neoclytus capraea</i> Say
Banded cucumber beetle a.n.o.	<i>Diabrotica balteata</i> Lec.
Banded flea beetle	<i>Systena taeniata</i> Say
Bean aphid	<i>Aphis rumicis</i> L.
Bean leaf beetle a.n.o.	<i>Cerotoma trifurcata</i> Forst.
Bean leaf roller a.n.o.	<i>Goniurus proteus</i> L.
Bean weevil a.n.o.	<i>Mylabris obtectus</i> Say
Bedbug a.n.o.	<i>Cimex lectularius</i> L.
Beet flea beetle	<i>Disonycha xanthomelaena</i> Dalm.
Beet leafhopper a.n.o.	<i>Eutettix tenellus</i> Baker
Bertha armyworm	<i>Barathra configurata</i> Walk.
Bird tick	<i>Haemaphysalis chordeilis</i> Pack.
Black apple leafhopper	<i>Idiocerus provancheri</i> Van D.
Black grape aphid	<i>Macrosiphum illinoiensis</i> Shimer
Black blister beetle a.n.o.	<i>Epicauta pennsylvanica</i> DeG.
Black cherry aphid a.n.o.	<i>Myzus cerasi</i> Fab.
Black cutworm a.n.o.	<i>Agrotis ypsilon</i> Rott.
Black gooseberry borer	<i>Xylocrius agassizi</i> Lec.
Black-horned tree cricket a.n.o.	<i>Oecanthus nigricornis</i> Walk.
Black house ant	<i>Monomorium minutum</i> Mayr
Black peach aphid a.n.o.	<i>Anuraphis persicae-niger</i> Erw., Smith
Black scale a.n.o.	<i>Saissetia oleae</i> Bern.

Black stink bug	.....	Cosmopepla bimaculata Thos,
Black vine weevil	.....	Brachyrhinus sulcatus Fab,
Blackberry leaf miner	.....	Metallus rubi Forbes
Blood-sucking conenose a.n.o.	.....	Triatoma sanguisuga Lec.
Blueberry flea beetle a.n.o.	.....	Haltica torquata Lec.
Blueberry thrips	.....	Frankliniella vaccinii Morg.
Boll weevil a.n.o.	.....	Anthonomus grandis Boh.
Boxelder aphid a.n.o.	.....	Periphyllus negundinis Thos.
Boxelder bug a.n.o.	.....	Leptocoris trivittatus Say
Brown dog tick a.n.o.	.....	Rhipicephalus sanguineus Latr.
Brown-tail moth a.n.o.	.....	Nygma phaeorrhoea Don.
Buffalo gnat	.....	Eusimulium pecuarum Riley
Buffalo treehopper a.n.o.	.....	Ceresa bubalus Fab.
Bulb mite	.....	Rhizoglyphus hyacinthi Bd.
Cabbage aphid a.n.o.	.....	Brevicoryne brassicae L.
Cabbage curculio a.n.o.	.....	Ceutorhynchus rapae Gyll.
Cabbage maggot a.n.o.	.....	Hylemyia brassicae Bouche'
California lead cable borer	.....	Scobicia declivis Lec.
California pear sawfly	.....	Diphadnus californicus Marlatt
Camphor thrips a.n.o.	.....	Cryptothrips floridensis Watson
Carpenter ant	.....	Camponotus herculeanus L.
Carpenter bee	.....	Xylocopa virginica Drury
Carpet beetle a.n.o.	.....	Anthrenus scrophulariae L.
Carrot beetle a.n.o.	.....	Ligyrus gibbosus DeG.
Carrot rust fly a.n.o.	.....	Psila rosae Fab.
Case-bearing clothes moth a.n.o.	.....	Tinea pellionella L.
Catalpa leaf miner	.....	Agromyza citreifrons Mall.
Catalpa sphinx a.n.o.	.....	Ceratomia catalpae Bd.
Cat flea	.....	Ctenocephalus felis Bouche'
Cecropia moth a.n.o.	.....	Samia cecropia L.
Celery looper a.n.o.	.....	Autographa falcifera simplex Guen.
Chain-spotted geometer a.n.o.	.....	Cingilia cateraria Drury
Changa a.n.o.	.....	Scapteriscus vicinus Scudd.
Cherry fruit fly a.n.o.	.....	Rhagoletis cingulata Loew
Chicken body louse a.n.o.	.....	Menopon stramineum Nitz.
Chigger a.n.o.	.....	Trombicula irritans Riley
Chinch bug a.n.o.	.....	Blissus leucopterus Say
Chrysanthemum aphid a.n.o.	.....	Macrosiphoniella sanborni Gill.
Chrysanthemum gall midge a.n.o.	.....	Diarthronomyia hypogaea Loew
Cigar case bearer a.n.o.	.....	Coleophora fletcherella Fern.
Cigarette beetle a.n.o.	.....	Lasioderma serricorne Fab.
Citrophilus mealybug	.....	Pseudococcus gahani Green
Citrus red spider	.....	Paratetranychus citri McGregor
Citrus rust mite a.n.o.	.....	Eriophyes oleivorus Ashm.
Citrus whitefly a.n.o.	.....	Dialeurodes citfi Ashm.
Clear-winged grasshopper a.n.o.	.....	Camnula pellucida Scudd.
Clover leaf weevil a.n.o.	.....	Hypera punctata Fab.
Clover mite a.n.o.	.....	Bryobia praetiosa Koch
Clover seed chalcid a.n.o.	.....	Bruchophagus funebris How.
Clover seed midge a.n.o.	.....	Dasyneura leguminicola Lint.
Cluster fly a.n.o.	.....	Pollenia rudis Fab.

- Codling moth a.n.o. *Carpocapsa pomonella* L.
Colorado potato beetle a.n.o. *Leptinotarsa decemlineata* Say
Columbine leaf miner a.n.o. *Phytomyza aquilegiae* Hardy
Common cattle grub *Hypoderma lineatum* DeVill.
Confused flour beetle *Tribolium confusum* Duv.
Convergent ladybeetle *Hippodamia convergens* Guer.
Cork oak midge..... *Plagiotrochus suberi* Weld
Corn ear worm a.n.o. *Heliothis obsoleta* Fab.
Corn feeding syrphus fly *Mesogramma politum* Say
Corn flea beetle *Chaetocnema pulicaria* Melsh.
Corn lantern fly *Peregrinus maidis* Ashm.
Corn leaf aphid a.n.o. *Aphis maidis* Fitch
Corn root aphid a.n.o. *Anuraphis maidi-radicis* Forbes
Corn root worm a.n.o. *Diabrotica longicornis* Say
Corn-silk beetle *Luperodes varicornis* Lec.
Cottonwood borer *Plectrodera scalator* Fab.
Cottony-cushion scale a.n.o. *Icerya purchasi* Mask.
Cottony maple scale a.n.o. *Pulvinaria vitis* Rathv.
Cottony peach scale *Pulvinaria amygdali* Ckll.
Cowpea curculio *Chalcodermus aeneus* Boh.
Cowpea weevil a.n.o. *Mylabris chinensis* L.
Cranberry root worm *Rhabdopterous picipes* Oliv.
Crinkled flannel moth *Lagoa crispata* Pack.
Cross-striped cabbage worm a.n.o. *Evergestis rimosalis* Guen.
Curlew bug *Sphenophorus callosus* Oliv.
Currant aphid a.n.o. *Myzus ribis* L.
Currant bud mite *Eriophyes ribis* Nal.
Currant fruit fly *Epochra canadensis* Loew
Currant stem girdler a.n.o. *Janus integer* Nort.
Dark cherry fruit fly *Rhagoletis fausta* O.S.
Deodar weevil *Pissodes deodarae* Hopk.
Destructor scale *Aspidiota destructor* Sign.
Diamond-back moth a.n.o. *Plutella maculipennis* Curt.
Dog flea *Ctenocephalus canis* Curt.
Dogwood borer *Oberea tripunctata* Fab.
Douglas-fir caterpillar *Fuschausia argentata* Pack.
Drug-store weevil a.n.o. *Sitodrepa panicea* L.
Eastern spruce beetle a.n.o. *Dendroctonus piceaperda* Hopk.
Eastern tent caterpillar a.n.o. *Malacosoma americana* Fab.
Eggplant flea beetle a.n.o. *Epitrix fuscula* Crotch
Eight-spotted forester a.n.o. *Alypia octomaculata* Fab.
Elm borer a.n.o. *Saperda tridentata* Oliv.
Elm cockscomb gall a.n.o. *Colopha ulmicola* Fitch
Elm leaf beetle a.n.o. *Galerucella xanthomelaena* Schr.
Elm sawfly a.n.o. *Cimbex americana* Leach
Elm scurfy scale a.n.o. *Chionaspis americana* Johns.
English grain aphid a.n.o. *Macrosiphum granarium* Kby.
Euonymus scale a.n.o. *Chionaspis euonymi* Comst.
European beech bark louse *Cryptococcus fagi* Dougl.
European corn borer a.n.o. *Pyrausta nubilalis* Hbn.
European earwig a.n.o. *Forficula auricularia* L.

European elm scale a.n.o.	Gossyparia spuria Mod,
European fruit lecanium	Lecanium corni Bouche
European grain moth	Tinea granella L.
European leaf mining sawfly	Fenusia pumila Klug
European pine shoot moth a.n.o.	Rhyacionia buoliana Schiff.
European red mite	Paratetranychus pilosus Can. & Fanz.
European willow beetle	Plagiodera versicolora Laich.
Eye-spotted budmoth a.n.o.	Spilonota ocellana Schiff.
Fall armyworm a.n.o.	Laphygma frugiperda S. & A.
Fall canker worm a.n.o.	Alsophila pometaria Harr.
Fall webworm a.n.o.	Hyphantria cunea Drury
False tarnished plant bug	Lygus invitus Say
Fire ant a.n.o.	Solenopsis geminata Fab.
Flat-headed apple tree borer a.n.o.	Chrysobothris femorata Oliv.
Florida flower thrips	Frankliniella tritici bispinosa Morg.
Forest tent caterpillar a.n.o.	Malacosoma disstria Hbn.
Fruit tree leaf beetle	Syneta albida Lec.
Fruit tree leaf roller a.n.o.	Archips argyrospila Walk.
Fuller's rose beetle a.n.o.	Pantomorus fulleri Horn
Garden flea hopper a.n.o.	Halticus citri Ashm.
Garden slug	Agriolimax agrestis L.
Garden webworm a.n.o.	Loxostege similalis Guen.
Giant aphid	Longistigma caryaef Harr.
Glassy cutworm a.n.o.	Sidemia devastatrix Brace
Goat scab mite	Chorioptes caprae Del. Bourg.
Golden oak scale	Asterolecanium variolosum Ratz.
Gooseberry fruit worm a.n.o.	Zophodia grossulariae Riley
Granary weevil a.n.o.	Calendra granaria L.
Grape berry moth a.n.o.	Polychrosis viteana Clem.
Grape blossom midge a.n.o.	Contarinia johnsoni Sling.
Grape colaspis a.n.o.	Colaspis brunnea Fab.
Grape flea beetle a.n.o.	Haltica chalybea Ill.
Grape leaf folder a.n.o.	Desmia funeralis Hbn.
Grape leafhopper a.n.o.	Erythroneura comes Say
Grape leaf skeletonizer a.n.o.	Harrisina americana Guer.
Grape mealybug	Pseudococcus maritimus Ehrh.
Grape phylloxera a.n.o.	Phylloxera vitifoliae Fitch
Grape plume moth a.n.o.	Oxyptilus periscelidactylus Fitch
Grape root worm a.n.o.	Fidia viticida Walsh
Grape tomato gall	Lasioptera vitis O. S.
Grape vine aphid a.n.o.	Macrosiphum illinoiensis Shimer
Gray-banded leaf roller	Eulia mariana Fern.
Gray blister beetle	Epicauta cinerea Forst.
Great Basin tent caterpillar	Malacosoma fragilis Stretch
Green apple leafhopper	Empoasca maligna Walsh
Green bug a.n.o.	Toxoptera graminum Rond.
Green clover worm a.n.o.	Plathypena scabra Fab.
Green fruit worm a.n.o.	Graptolitha antennata Walk.
Green June beetle a.n.o.	Cotinis nitida L.
Green peach aphid a.n.o.	Myzus persicae Sulz.

Green-striped maple worm a.n.o.	Anisota rubicunda Fab.
Greenhouse leaf tyer a.n.o.	Phlyctaenia ferrugalis Hbn.
Greenhouse thrips a.n.o.	Heliothrips haemorrhoidalis Bouché
Gypsy moth a.n.o.	Porthetria dispar L.
Hackberry nipple gall	Pachypsylia celtidis-mamma Riley
Hag moth a.n.o.	Phobetron pithecium S. & A.
Harlequin bug a.n.o.	Murgantia histrionica Hahn
Hawaiian beet webworm	Hymenia fascialis Cram.
Hawaiian sugarcane borer	Rhabdocnemis obscura Bdv.
Hemlock looper	Elloptia fiscellaria Guen.
Hessian fly a.n.o.	Phytophaga destructor Say
Hickory shoot curculio	Conotrachelus aratus Germ.
Hickory shuck worm a.n.o.	Laspeyresia caryana Fitch
Hickory twig borer	Chramesus hincoriae Lec.
Hog mange mite	Satcoptes scabiei suis DeG.
Hop vine borer	Gortyna immanis Guen.
Horn fly a.n.o.	Haematobia irritans L.
Horse fly	Tabanus lasiophthalmus Macq.
Horse-radish flea beetle a.n.o.	Phyllotreta armoraciae Koch
Houghton's gooseberry aphid	Aphis houghtonensis Troop
House fly a.n.o.	Musca domestica L.
Human flea	Pulex irritans L.
Imbricated snout beetle a.n.o.	Epicaerus imbricatus Say
Imported cabbage worm a.n.o.	Pieris rapae L.
Imported currant worm a.n.o.	Pteronidea ribesi Scop.
Indian-meal moth a.n.o.	Plodia interpunctella Hbn.
Introduced pine sawfly a.n.o.	Diprion simile Htg.
Iris borer a.n.o.	Macronoctua onusta Grote
Ivy aphid	Aphis hederae Kalt.
Japanese beetle a.n.o.	Popillia japonica Newm.
Larch sawfly a.n.o.	Nematus erichsoni Htg.
Larder beetle a.n.o.	Dermestes lardarius L.
Larger corn stalk borer	Diatraea zeacolella Dyar
Larger elm leaf beetle	Monocesta coryli Say
Larkspur leaf miner	Phytomyza delphiniae Frost
Late strawberry slug	Empria maculata Nort.
Leaf crumpler a.n.o.	Mineola indigenella Zell.
Levi-footed bug a.n.o.	Leptoglossus phyllopus L.
Leopard moth a.n.o.	Zeuzera pyrina L.
Lesser bulb fly a.n.o.	Eumerus strigatus Fallen
Lesser clover leaf weevil	Phytonomus nigrirostris Fab.
Lesser corn stalk borer a.n.o.	Elasmopalpus lignosellus Zell.
Lesser peach borer a.n.o.	Sesia pictipes G. & E.
Lettuce bug	Corizus hyalinus Fab.
Levuana moth	Levuana iridescentis Bethune-Baker
Lilac leaf miner	Gracilaria syringella Fab.
Lined corn borer	Hadena fractilinea Grote
Locust borer a.n.o.	Cyllene robiniae Forst.
Locust leaf miner a.n.o.	Chalepus dorsalis Thunb.
Long-nosed ox louse a.n.o.	Linognathus vituli L.
Dubber grasshopper a.n.o.	Brachystola magna Gir.
Margined blister beetle a.n.o.	Epicauta cinerea marginata Fab.
Masked hunter a.n.o.	Reduvius personatus L.

- Meadow plant bug a.n.o. *Miris dolabratus* L.
Melon aphid a.n.o. *Aphis gossypii* Glov.
Mexican bean beetle a.n.o. *Epilachna corrupta* Muls.
Mexican fruit worm *Anastrepha ludens* Loew
Mormon cricket a.n.o. *Anabrus simplex* Hald.
Mountain pine beetle a.n.o. *Dendroctonus monticolae* Hopk.
Mulberry whitefly a.n.o. *Tetraleurodes mori* Quaint.
Nantucket pine moth *Rhyacionia frustrana* Comst.
Narcissus bulb fly a.n.o. *Merodon equestris* Fab.
Negrobug a.n.o. *Thyreocoris pulicarius* Germ.
New York weevil a.n.o. *Ithycerus noveboracensis* Forst.
Northern cattle grub *Hypoderma bovis* DeG.
Norway maple aphid *Periphyllus lyropictus* Kess.
Nose botfly a.n.o. *Gastrophilus haemorrhoidalis* L.
Oak plant bug *Lygus quercalba* Knight
Oak twig pruner *Hypermallus villosus* Fab.
Oat thrips *Anaphothrips striatus* Ort.
Oblique-banded leaf roller a.n.o. *Cacoecia rosaceana* Harr.
Onion maggot a.n.o. *Hylemyia antiqua* Meig.
Onion thrips a.n.o. *Thrips tabaci* L.
Orange tortrix *Tortrix citrana* Fern.
Oriental fruit moth *Laspeyresia molesta* Busck
Oriental garden beetle *Autoserica castanea* Arrow
Oriental moth a.n.o. *Cnidocampa flavescens* Walk.
Oyster-shell scale a.n.o. *Lepidosaphes ulmi* L.
Pacific red spider *Tetranychus pacificus* McGregor
Pale-marked ash borer *Eburia quadrigeminata* Say
Pale western cutworm a.n.o. *Porosagrotis orthogonia* Morr.
Pea aphid a.n.o. *Illinoia pisi* Kalt.
Peach and plum slug *Eriocampoides amygdalina* Boh.
Peach bark beetle a.n.o. *Phthorophloeus liminaris* Harr.
Peach borer a.n.o. *Aegeria exitiosa* Say
Peach twig borer a.n.o. *Anarsia lineatella* Zell.
Pear leaf blister mite *Eriophyes pyri* Pgst.
Pear midge a.n.o. *Contarinia pyrivora* Riley
Pear psylla a.n.o. *Psyllia pyricola* Foerst.
Pear slug a.n.o. *Eriocampoides limacina* Retz.
Pear thrips a.n.o. *Taeniothrips inconsequens* Uzel
Pecan budmoth *Proteopteryx bolliana* Sling.
Pecan cigar case bearer *Coleophora caryaefoliella* Elem.
Pecan leaf case bearer *Acrobasis nebulella* Riley
Pecan nut case bearer a.n.o. *Acrobasis caryae* Grote
Pecan sesia *Sesia scitula* Harr.
Pecan weevil a.n.o. *Balaninus caryae* Horn
Pennsylvania soldier beetle *Chauliognathus pennsylvanicus* Comst.
Pepper weevil a.n.o. *Anthonomus eugenii* Cano
Periodical cicada a.n.o. *Tibicina septendecim* L.
Pickle worm a.n.o. *Diaphania nitidalis* Stoll
Pigeon hippoboscid *Lynchia maura* Bigot
Pigeon tremex a.n.o. *Tremex columba* L.
Pine bark aphid *Chermes pinicorticis* Fitch

- Pine leaf miner *Paralechia pinifoliella* Chamb.
Pine leaf scale *Chionaspis pinifoliae* Fitch
Pine scale *Toumeyella pinicola* Ferris
Pink boll worm a.n.o. *Pectinophora gossypiella* Saund.
Pistol case bearer a.n.o. *Coleophora malivorella* Riley
Plains false wireworm a.n.o. *Eleodes opaca* Say
Plum curculio a.n.o. *Conotrachelus nenuphar* Hbst.
Poplar borer a.n.o. *Saperda calcarata* Say
Potato aphid a.n.o. *Illinoia solanifolii* Ashm.
Potato flea beetle a.n.o. *Epitrix cucumeris* Harr.
Potato leafhopper *Empoasca fabae* Harr.
Potato psyllid *Paratrhoza cockerelli* Sulz.
Potato stalk borer a.n.o. *Trichobaris trinotata* Say
Potato stem borer *Gortyna micacia* Esp.
Potato tuber worm a.n.o. *Phthorimaea operculella* Zell.
Poultry bug a.n.o. *Haematosiphon inodora* Duges
Purple scale a.n.o. *Lepidosaphes beckii* Newm.
Puss caterpillar *Megalopyge opercularis* S. & A.
Putnam's scale a.n.o. *Aspidiotus aencylus* Putn.
Quince curculio a.n.o. *Conotrachelus crataegi* Walsh
Raspberry cane borer a.n.o. *Oberea bimaculata* Oliv.
Raspberry fruit worm a.n.o. *Byturus unicolor* Say
Raspberry sawfly a.n.o. *Monophadnoides rubi* Harr.
Rat mite *Liponyssus bacoti* Hirst
Red-backed cutworm a.n.o. *Euxoa ochrogaster* Guen.
Red-banded leaf roller *Eulia velutinana* Walk.
Red-headed flea beetle *Systema pallicornis* Schffr.
Red-headed pine sawfly a.n.o. *Neodiprion lecontei* Fitch
Red-humped oak caterpillar *Symmerista albifrons* S. & A.
Red-shouldered shot-hole borer *Xylobiops basilare* Say
Red spider *Tetranychus telarius* L.
Rhododendron lacebug a.n.o. *Stephanitis rhododendri* Horv.
Rice moth *Corcyra cephalonica* Staint.
Roadside grasshopper. See Clear-winged grasshopper
Rose chafer a.n.o. *Macrodactylus subspinosus* Fab.
Rose leaf beetle *Nodonota puncticollis* Say
Rose leafhopper a.n.o. *Empoa rosae* L.
Rose sawfly a.n.o. *Caliroa aethiops* Fab.
Rose scale a.n.o. *Aulacaspis rosae* Bouche'
Rosy apple aphid a.n.o. *Anuraphis roseus* Baker
Round-headed apple tree borer a.n.o. *Saperda candida* Fab.
Rusty plum aphid a.n.o. *Hysteroneura setariae* Thos.
Saddle-back caterpillar a.n.o. *Sibine stimulea* Clem.
Salt-marsh caterpillar a.n.o. *Estigmene acraea* Drury
Sand wireworm a.n.o. *Horistonotus uhleri* Horn
San Jose scale a.n.o. *Aspidiotus perniciosus* Comst.
Satin moth a.n.o. *Stilpnotia salicis* L.
Saw-toothed grain beetle a.n.o. *Oryzaephilus surinamensis* L.
Say's blister beetle *Pomphopoea sayi* Lec.
Screw worm a.n.o. *Cochliomyia macellaria* Fab.
Scurfy scale a.n.o. *Chionaspis furfura* Fitch
Seed corn maggot a.n.o. *Hylemyia cilicrura* Rond.

Semitropical armyworm ... See	Southern armyworm
Serpentine leaf miner a.n.o.	<i>Agromyza pusilla</i> Meig.
Sheep botfly a.n.o.	<i>Oestrus ovis</i> L.
Sheep tick a.n.o.	<i>Melophagus ovinus</i> L.
Short-nosed ox louse	<i>Haematopinus eurysternus</i> Nitz.
Short-tailed cricket	<i>Anurogryllus muticus</i> DeG.
Shot-hole borer a.n.o.	<i>Scolytus rugulosus</i> Ratz.
Silver fish a.n.o.	<i>Lepisma saccharina</i> L.
Sinuate pear tree borer a.n.o.	<i>Agrilus sinuatus</i> Oliv.
Six-spotted leafhopper a.n.o.	<i>Cicadula sexnotata</i> Fallen
Smartweed borer	<i>Pyrausta ainsliei</i> Heinr.
Snowball aphid	<i>Aphis viburnicola</i> Gill.
Snowy tree cricket a.n.o.	<i>Oecanthus niveus</i> DeG.
Sorghum webworm a.n.o.	<i>Celama sorghiella</i> Riley
Southern armyworm a.n.o.	<i>Prodenia eridania</i> Cram.
Southern pine beetle a.n.o.	<i>Dendroctonus frontalis</i> Zimm.
Spinach leaf miner	<i>Pegomya hyoscyami</i> Panz.
Spindle worm	<i>Achatodes zea</i> Harr.
Spiraea aphid	<i>Aphis spiraecola</i> Patch
Spotted asparagus beetle a.n.o.	<i>Crioceris duodecimpunctata</i> L.
Spotted beet webworm	<i>Hymenia perspectalis</i> Hbn.
Spotted cucumber beetle a.n.o.	<i>Diabrotica duodecimpunctata</i> Fab.
Spring canker worm a.n.o.	<i>Paleacrita vernata</i> Peck
Spruce bud scale	<i>Physokermes piceae</i> Schr.
Spruce budworm a.n.o.	<i>Harmologa fumiferana</i> Clem.
Spruce gall aphid	<i>Chermes abietis</i> Kalt.
Spruce mite	<i>Paratetranychus uniunguis</i> Jacoby
Spruce sawfly a.n.o.	<i>Neodiprion abietis</i> Harr.
Squash beetle a.n.o.	<i>Epilachna borealis</i> Fab.
Squash borer a.n.o.	<i>Melittia satyriniformis</i> Hbn.
Squash bug a.n.o.	<i>Anasa tristis</i> DeG.
Stable fly a.n.o.	<i>Stomoxys calcitrans</i> L.
Stalk borer a.n.o.	<i>Papaipema nebris nitela</i> Guen.
Sticktight flea a.n.o.	<i>Echidnophaga gallinacea</i> Westw.
Strawberry crown borer a.n.o.	<i>Tyloderma fragariae</i> Riley
Strawberry leaf roller a.n.o.	<i>Ancylis pomptana</i> Froel.
Strawberry root aphid a.n.o.	<i>Aphis forbesi</i> Weed
Strawberry root weevil	<i>Brachyrhinus ovatus</i> L.
Strawberry root worm a.n.o.	<i>Paria canella</i> Fab.
Strawberry weevil a.n.o.	<i>Anthonomus signatus</i> Say
Striped blister beetle a.n.o.	<i>Epicauta vittata</i> Fab.
Striped cucumber beetle a.n.o.	<i>Diabrotica vittata</i> Fab.
Striped flea beetle	<i>Phyllotreta vittata</i> Fab.
Sugar beet root maggot	<i>Tetanops aldrichi</i> Hendel
Sugarcane beetle a.n.o.	<i>Eutheola rugiceps</i> Lec.
Sugarcane borer a.n.o.	<i>Diatraea saccharalis</i> Fab.
Sugarcane leafhopper	<i>Perkinsiella saccharicida</i> Kirk.
Sugarcane leaf roller	<i>Omiodes accepta</i> Butl.
Sweet-potato flea beetle a.n.o.	<i>Chaetocnema confinis</i> Crotch
Sweet-potato leaf beetle	<i>Typophorus viridicyaneus</i> Crotch
Sweet-potato weevil a.n.o.	<i>Cylas formicarius</i> Fab.
Sycamore leaf roller	<i>Ancylis platanana</i> Clem.

- Tarnished plant bug a.n.o. *Lygus pratensis* L.
Three-cornered alfalfa hopper *Stictocephala festina* Say
Three-lined potato beetle a.n.o. *Lema trilineata* Oliv.
Tile-horned prionus *Prionus imbricornis* L.
Tip moth *Peronea variana* Fern.
Tobacco blotch leaf miner *Psara periusalis* Walk.
Tobacco budworm *Heliothis virescens* Fab.
Tobacco flea beetle a.n.o. *Epitrix parvula* Fab.
Tobacco thrips *Frankliniella fusca* Hinds
Tobacco wireworm *Monocrepidius vespertinus* Fab.
Tobacco worm a.n.o. *Protoparce quinquemaculata* Haw.
Tomato worm a.n.o. *Protoparce sexta* Johan.
Tropical cattle tick *Margaropus annulatus australis* Full.
Tropical fowl mite *Liponyssus bursa* Berlese
Tulip tree scale *Toumeyella liriodendri* Gmel.
Turnip aphid a.n.o. *Rhopalosiphum pseudobrassicae* Davis
Two-lined prominent *Hemerocampa bilineata* Pack.
Variegated cutworm a.n.o. *Lycophotia margaritosa saucia* Hbn.
Vegetable weevil a.n.o. *Listroderes obliquus* Gyll.
Velvet bean caterpillar *Anticarsia gemmatalis* Hbn.
Walnut aphid *Chromaphis juglandicola* Kalt.
Walnut caterpillar a.n.o. *Datana integerrima* G. & R.
Walnut fly *Rhagoletis juglandis* Cress.
Walnut husk maggot See Walnut fly
Walnut scale a.n.o. *Aspidictus juglans-regiae* Comst.
Webbing clothes moth a.n.o. *Tineola biselliella* Hum.
Western garden flea beetle *Phyllotreta pusilla* Horn
Western pine beetle a.n.o. *Dendroctonus brevicomis* Lec.
Western spotted cucumber beetle a.n.o. *Diabrotica soror* Lec.
Wheat head armyworm a.n.o. *Neleucania albilinea* Hbn.
Wheat joint worm a.n.o. *Harmolita tritici* Fitch
Wheat-sheath gall joint worm *Harmolita vaginicola* Doane
Wheat stem maggot a.n.o. *Meromyza americana* Fitch
Wheat stem sawfly a.n.o. *Cephus cinctus* Nort.
Wheat wireworm a.n.o. *Agriotes mancus* Say
White-marked tussock moth a.n.o. *Hemerocampa leucostigma* S. & A.
White peach scale a.n.o. *Aulacaspis pentagona* Targ.
Willow curculio *Cryptorhynchus lapathi* L.
Willow leaf beetle *Galerucella decora* Say
Woolly alder aphid a.n.o. *Prociphilus tessellatus* Fitch
Woolly apple aphid a.n.o. *Eriosoma lanigerum* Hausm.
Woolly elm aphid a.n.o. *Eriosoma americanum* Riley
Yellow ant *Lasius interjectus* Mayr
Yellow-necked caterpillar a.n.o. *Datana ministra* Drury
Yellow woolly bear a.n.o. *Diacrisia virginica* Fab.
Zebra caterpillar a.n.o. *Mamestrina picta* Harr.

